

FILE NOTATIONS

Entered in NID File

☒

Entered On S R Sheet

☒

Location Map Pinned

☒

Card Indexed

☒

IWR for State or Fee Land

☐

Checked by Chief

PMB

Copy NID to Field Office

☒

Approval Letter

Letter

Disapproval Letter

☐

COMPLETION DATA:

Date Well Completed

7-9-63

Location Inspected

☒

OW

WW

TA

Bond released

GW

OS

PA

State of Fee Land

☐

LOGS FILED

Driller's Log

9-21-63

Electric Logs (No.)

3

E

I

E-I

☒

GR

GRH

NCR

☒

Lat

Mi-L

Sonic

☒

Others

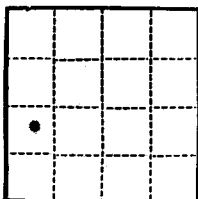
Subsequent Report of Dr. [unclear]

Copy H.L.C.
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City, Utah

Lease No. 01656

Unit Diamond Ridge Unit #7



T17S

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R23E

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 20, 1963

19 63

Well No. 7 is located 2719.4 ft. from SE line and 1099.8 ft. from W line of sec. 5

SE 1/4 Sec. 5

17S

23E

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Diamond Ridge

Grand

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 6264 ft. 6254 GL

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill with rotary tools to a TD of 6950' or within 50' of the Entrada as a Dakota and Lower Morrison test. ✓

Casing program: 10 3/4" surface to 150' and cemented to surface 7" casing set through Castlegate and 60' into Mancos, cement to be brought 200' above shoe. 4 1/2" casing to be set at TD if a commercial producer and cemented 500' above upper producing zone.

Mud to be used to drill through Castlegate. Air to be used as a drilling medium to TD.

E Logs and Sonic Logs to be run from surface through Castlegate, and Gamma Ray and Sonic from bottom 7" casing to TD. ✓ (Over for Formation Tops)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sunray Oil Company

Address 101 University Blvd.

Cherry Creek Center

Denver 6, Colorado

By

F. S. Goddard

Title

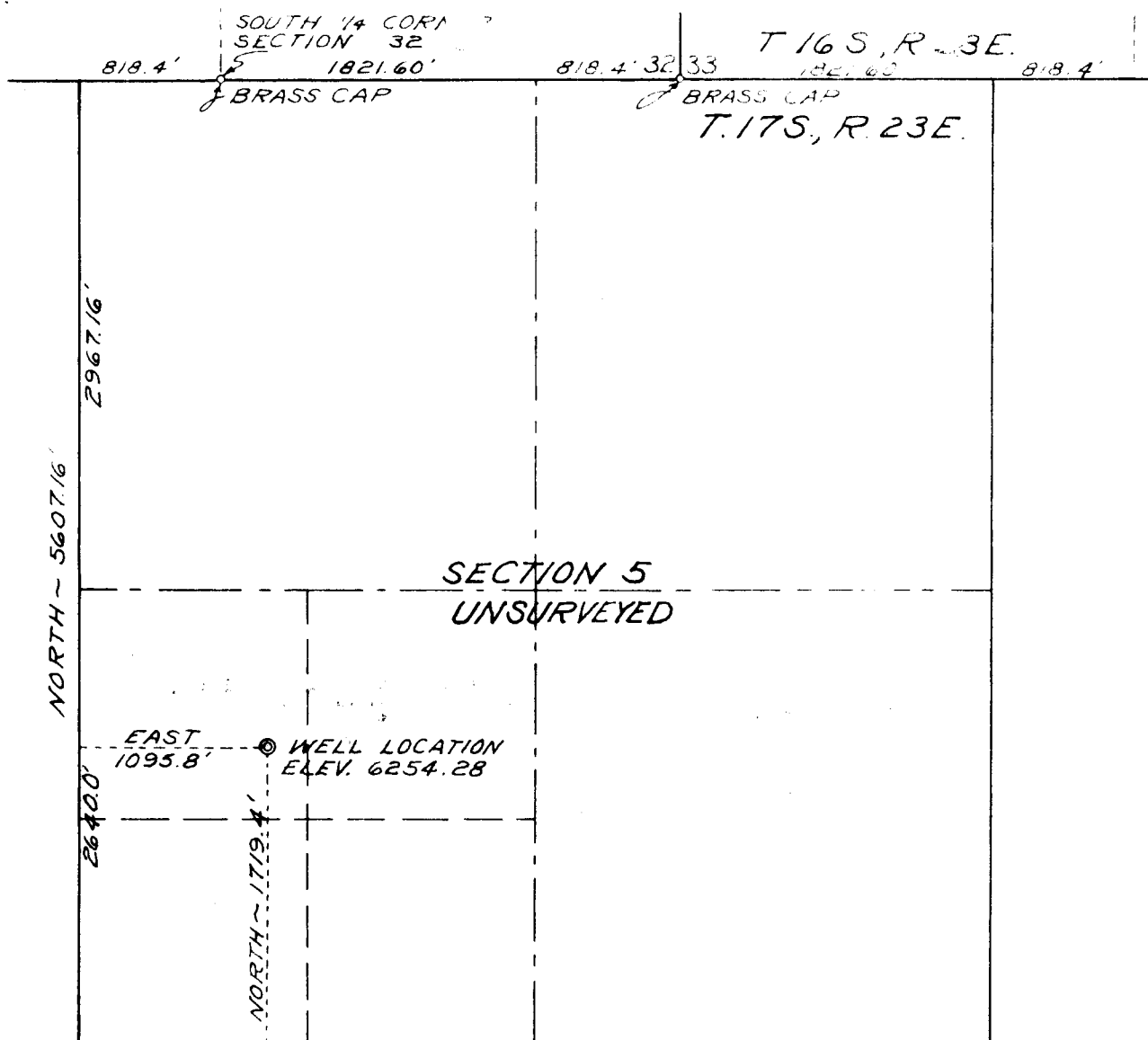
District Manager

ESTIMATED FORMATION TOPS

Castlegate	2470'
Mancos	2590'
Dakota	6250'
Cedar Mt.	6370'
Morrison	6420'
Entrada	7000'

Location originally proposed in C NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 5,
T17S-R23E and would have fallen on a cliff. Due to
rough terrain, location was moved to present site. ✓

MAY 24 1963



WELL LOCATION

DIAMOND RIDGE UNIT NO. 7

SUNRAY MID-CONTINENT OIL CO.

DENVER, COLORADO

SITUATED IN THE NW 1/4 SW 1/4 SEC. 5,

T. 17 S., R. 23 W. OF THE 6TH P.M.

GRAND COUNTY, UTAH

SCALE 1 INCH = 1000 FEET

REFERENCE POINTS

EAST ~ 150.0 FT. ELEV. 6257.13

WEST ~ 140.0 FT. ELEV. 6262.32

This is to certify that the "Well Location" shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same are correct and true to the best of my knowledge and belief.

DATE SURVEYED: 5/18/63

Tom Walker
Reg. Land Surveyor
Glenwood Springs, Colo.
Certificate No. 1548

May 24, 1963

Sunray DX Oil Company
101 University Blvd.
Cherry Creek Center
Denver 6, Colorado

Attention: F. S. Goddard, District Manager

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Diamond Ridge Unit #7, which is to be located 1719.4 feet from the south line and 1095.8 feet from the west line of Section 5, Township 17 South, Range 23 East, SLBM, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil & Gas Conservation Commission.

Under Rule A-3, of the above rules and regulations, the approval of this Commission would not have been necessary if an unexecuted copy of the unit agreement had been filed with this office. We would appreciate very much receiving an unexecuted copy of the Diamond Ridge Unit at your earliest convenience.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed

Sunray DX Oil Company

-2-

May 24, 1963

if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

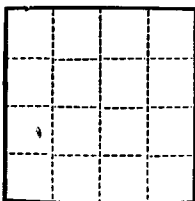
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: Don Russell, District Engineer
U. S. Geological Survey
Salt Lake City, Utah

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah



T17S

R23E

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 04656

Unit Diamond Ridge

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	X	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 8, 1963

Diamond Ridge Unit

Well No. 7 is located 1719.4 ft. from [S] line and 1095.8 ft. from [W] line of sec. 5

NW 1/4 SW 1/4 Sec. 5 17S 23E (Meridian)
(4 Sec. and Sec. No.) (Twp.) (Range)
Diamond Ridge Grand Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6268 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 7025' - 10 3/4" surface csg. to 169' with cement to G.L. 7" intermediate csg. to 2670' w/65 sx. cement. Top Castlegate 2470', Mancos 2590', Dakota 6220', Cedar Mt. 6340', Morrison 6470', Brushy Basin 6622', Salt Wash 6730' and Entrada 6980'. Well proves non-commercial and propose to P & A by placing a 19 sack cement plug from 6980' to 6880', a 38 sack cement plug from 6350' to 6150', a 20 sack cement plug from 2670' to 2570' in bottom of 7" csg. Cut off 7" csg. at free-point and pull same. Set a 26 sack cement plug from 169' - 119' in 10 3/4" csg. and a 10 sack cement plug from 19' to top surface csg. Install dry hole marker.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SUNRAY OIL COMPANY

Address 101 University Blvd.

Cherry Creek Center

Denver 6, Colorado

By [Signature]
F. S. Goddard

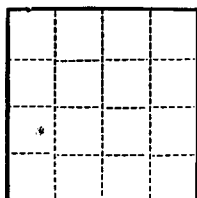
Title District Manager

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. 04656

Unit Diamond Ridge



T17S

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R23E

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	X
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12, 1963

Diamond Ridge Unit
Well No. 7 is located 1719.4 ft. from [N] line and 1095.8 ft. from [E] line of sec. 5

NW 1/4 SW 1/4 Sec. 5 17S 23E
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Diamond Ridge Grand Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6268 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T.D. 7025' - 10 3/4" surface casing to 169' with cement to G.L. 7" intermediate casing to 2670' w/65 sacks cement. Top Castlegate 2470', Mancos 2590', Dakota 6220', Salt Wash 6730' and Entrada 6980'. P & A by placing a 19 sack cement plug from 6980' to 6880', a 38 sack cement plug from 6350' to 6150', a 20 sack cement plug from 2670' to 2570' in bottom of 7" casing. Cut off 7" at 1825' and pull same. Set a 26 sack cement plug from 169' - 119' in 10 3/4" csg. and a 10 sack cement plug from 19' to top surface csg. Install dry hole marker.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SUNRAY OIL COMPANY

Address 101 University Blvd.

Cherry Creek Center

Denver 6, Colorado

By F. S. Goddard

Title District Manager

8-10
July 15, 1963

MEMO FOR FILING:

Re: Sunray DX Oil Company
Diamond Ridge Unit #7
Sec. 5, T. 17 S, R. 23 E.,
Grand County, Utah

On July 7, 1963, Mr. Deb Howell called to plug the above mentioned well. Since Mr. Howell could not contact the U. S. Geological Survey the following plugging program was approved by this office:

Electric Log Tops:

Castlegate	2470'
Mancos Shale	2590'
Dakota Silt	6104'
Dakota	6320' 6620' (gas bearing)
Cedar Mountain	6340'
Morrison	6470'
Brushy Basin	6622'
Salt Wash	6730'
Entrada	6980' (water bearing)
Total Depth	7020'

- (1) A 100' plug with 18.6 sacks of cement will be placed at the Entrada, covering an interval from 6880'-6980'.
- (2) The Morrison will be isolated by placing a plug to cover the Dakota from 6150'-6350'
- (3) A 7" casing is set at 2670' and cement up to 2400' where it will be cut. A plug will then be placed at the base of the 7" casing covering an interval of 2570'-2670' with 20 sacks of cement. 10 3/4" surface casing is set at 169' and 26 sacks of cement will be used to plug the base of this pipe.

It should be noted that the Castlegate is covered with cement contained around the 7" casing and no plug will be necessary at this stub since there was no significant porosity encountered while drilling the Mancos with air. 10 sacks of cement will be placed at the surface with the prescribed marker. Location will be cleaned and the rat and mouse hole will be filled.

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:kgw

4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5
LAND OFFICE Salt Lake City, Utah
LEASE NUMBER _____
UNIT Diamond Ridge Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Diamond Ridge

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1963.

Agent's address 101 University Blvd. Company SUNRAY DX OIL COMPANY
Denver, Colorado 80206 Signed F. S. Goddard

Phone 388-6411 Agent's title District Manager

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 8 NE SE	17S	23E	1	-	-	-	-	-	-	SI - No Market
Sec. 23 NE NE	17S	22E	2	30	-	-	22,218	-	None	First Delivery 7-2-63
Sec. 14 SE NW	17S	22E	6	29	-	-	6,276	-	None	First Delivery 7-3-63
Sec. 5 NW SW	17S	23E	7	Completed as dry hole. Was plugged and abandoned 7-8-63.						

NOTE.—There were No runs or sales of oil; 28,494 M cu. ft. of gas sol

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

October 15, 1963

Sunray DX Oil Company
101 University Blvd.
Denver, Colorado 80206

Attention: F. S. Goddard, District Manager

Re: Well No. Diamond Ridge Unit #7
Sec. 5, T. 17 S, R. 23 E.,
Grand County, Utah

Gentlemen:

This letter is to advise you that the well log and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this Commission as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our forms.

Very truly yours,

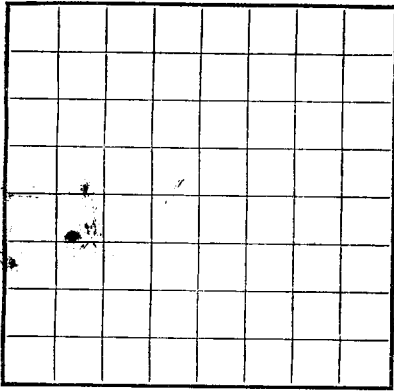
OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

Enclosures - Forms

U. S. LAND OFFICE Salt Lake City
 SERIAL NUMBER _____
 LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company SUNRAY OX OIL COMPANY Address 101 University Blvd., Denver, Colorado
 Lessor or Tract Diamond Ridge Unit Field Diamond Ridge State Utah
 Well No. 7 Sec. 5 T. 17S R. 23E Meridian _____ County Grand
 Location 1719.4 ft. {N. } of 8 Line and 1095.8 {E. } of W Line of NW 1/4 SW 1/4 Elevation 6268'
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____
F. S. Goddard Title District Manager

Date October 17, 1963

The summary on this page is for the condition of the well at above date.

Commenced drilling June 5, 1963. Finished drilling July 6, 1963.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____
 No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4"	26.7	8	National	152.45	Blow	Surface			Surface
7"	26.7	8	National	65	Blow	Surface			Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	170'	100	HOWCO		
7"	2670'	65	HOWCO		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

10 3/4"
7"170'
2670'100
65BOWCO
BOWCO

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 7025 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

July 8, 1963 Put to producing 7-9-63 P&A, 19.....

The production for the first 24 hours was barrels of fluid of which% was oil;% emulsion;% water; and% sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Harold G. Crayne, Driller Louis Brown, Driller

T. H. Balin, Driller Doyle S. Clark, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<p>Ran Schlumberger I-ES and Sonic Logs from 2670' to T.D.</p> <p><u>LOG TOPS:</u></p> <p>Dakota Silt 6104'</p> <p>Dakota 6220'</p> <p>Cedar Mountain 6340'</p> <p>Morrison 6470'</p> <p>Brushy Basin 6620'</p> <p>Salt Wash 6730'</p> <p>Entrada 6980'</p> <p>152' - 10 3/4" surface casing left in hole.</p> <p>820' - 7" intermediate casing " " "</p> <p><u>Well History Attached</u></p>
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

16-43094-5

THIS FORM TO BE SUBMITTED ALONG WITH PG. NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT. DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL

AT TIME OF COMPLETION

LEASE DIAMOND RIDGE UNIT WELL NO. 7
SEC. 5 T. 17S R. 23E COUNTY Grand
STATE Utah FIELD Diamond Ridge
A.P.E. NO. 12001-11

ENGINEER THE S. H. H. CO., INC.

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

DIAMOND RIDGE UNIT #7

(Drill 7000' Lower Morrison Development Well)

SDX 100% - Development Well - Location 1719.4' FSL & 1095.8' FWL, Section 5, T17S - R23E, Grand County, Utah. Contractor, Loffland Brothers Company.

- 5-18-63 Location staked by Tom Walker.
- 5-27-63 Levelling location.
- 5-28-63 Building location & MIRT.
- 5-29-63 MIRT.
- 5-30-63 MIRT.
- 5-31-63 MIRT.
- 6-1, 2, 3 RURT. Will spud June 4, 1963
- 6-4 RURT. Will spud today.
- 6-5 PD 100'. Drilling. Made 100' in the last 24 hours. DD 1. Viscosity 55 sec. Spudded 12:01 A.M. 6-5-63. Drilling 13 3/4" hole. K.B. 14.70' above ground level. K.B. Elev. 6269'. Used 25 sacks Gel, 50# Lime.
- 6-6 PD 175'. WOC on surface casing. Made 75' in last 24 hours. DD 2. 0 deg. at 60', 1/4 deg. at 150'. Bit #1, Hughes, 13 3/4" OSC-3, in at 0'. Bit #1 made 175' in 6 hours. Ran 6 jts. 10 3/4" OD, 32.75#, H-40 casing and set at 170' with 100 sacks regular cement w/2% Ca.Cl. Plug down 5:15 P.M. 6-5-63. Cement returns to cellar.
- 6-7 PD 377'. Drilling. Made 202' in last 24 hours. DD 3. Mud Weight 8.9#, Viscosity 32 sec., Water Loss 7.0 c.c. 1/2 deg. at 247'. Bit #2, Hughes, 9 7/8" OSC-3, in at 175'. Drilled plug at 9:45 P.M. 6-6-63. Drilling 9 7/8" hole. 1/2 deg. at 247'. Used 55 gal. Magconate, 400# XP-20, 20 sacks gel, 2,000 gal. Diesel oil.
- 6-8 PD 670'. Drilling. Made 293' in last 24 hours. DD 4. Mud Weight 9.2#, Viscosity 37 sec., Water Loss 6.4 c.c., 19% oil. 1/4 deg. at 406', 0 deg. at 525'. Bit #3, HTO, OSC-3, in at 460'. Bit #2 made 283' 13 3/4 hours. Lost 6 hours recementing top of surface csg. and WOC. Used 200# XP-20, 15 gals. Magconate, 5 sacks Gel.

POOR COPY

CORRECT.

APPROVED

SUPERINTENDENT

THIS FORM TO BE SUBMITTED ALONG WITH NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off, DESCRIPTION OF CASING JOBS SHOWING TYPES OF ENDS AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE DIAMOND RIDGE UNIT WELL NO. 7
SEC. 5 T. 17S R. 23E COUNTY Grand
STATE Utah FIELD Diamond Ridge
A.P.E. NO. 12001-11

Page 2

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 6-9 PD 1195'. Drilling. Made 525' in last 24 hours. DD 5. Mud Weight 9.6#, Viscosity 32 sec., Water Loss 7.2 c.c., 10% Oil, PH 10. 1/2 deg. at 834'. Bit #4, HTC, OSC, in at 813'. Bit #3, OSC-3, made 353' in 15 1/2 hours. Used 200# XP-20, 15 gal. Magconate, 50# Caustic, 200# Spersene.
- 6-10 PD 1516'. Pulling fish. Made 321' in last 24 hours. DD 6. Bit #4 OSC made 443' 13 3/4 hours. Twist off jt. above d.c.'s - ran over shot - work fish loose and pulling same. Mud Weight 9.9#, Viscosity 36 sec., Water Loss 8.8 c.c., 8% oil, 9.5 PH. 1/2 deg. at 1256'. Bit #5, HTC, OSC, in at 1256'. Used 22 sacks Gel, 400# XP-20, 6 gal. Magconate, 50# Caustic.
- 6-11 PD 1840'. Drilling. Made 324' in last 24 hours. DD 7. Bit #6 made 274' in 12 1/2 hours. Mud Weight 9.6#, Viscosity 33 sec., water Loss 6.8 c.c., 8% Oil, PH 9.5. 1+ deg. at 1790'. Bit #6, HTC, OSC, in at 1516', Bit #7, HTC, OSC, in at 1790'. Used 22 sacks Gel, 100# Caustic, 200# XP-20, 100# Spersene, 35 gal. Magconate.
- 6-12 PD 2290'. Drilling. Made 450' in last 24 hours. DD 8. Bit #7 made 205' in 10 1/2 hours. Mud Weight 9.3#, Viscosity 33 sec., Water Loss 8 c.c., 8% oil, PH 8.8. Dev. 1 deg. at 1990'. Bit #7, HTC, OSC, in at 1790 - 1995, Bit #8, HTC, OSC1G, in at 1995'. Used 26 sacks Gel, 45 sacks XP-20, 100# Caustic, 100# Spersene, 25 gal. Magconate.
- 6-13 PD 2414'. Drilling. Made 124' in last 24 hours. DD 9. Bit #9, Reed, YG1, in at 2345'. Bit #8, OSC1G, made 350' in 16 1/2 hours - out at 2345', Bit #9 made 60' in 4 3/4 hours, incomplete. Twist off in drill collars at 2376'. Left 15 drill collars in hole. Ran overshot and recovered some. Mud Weight 9.2#, Viscosity 35 sec., Water Loss 9 c.c., % Oil - trace. 1 deg. + at 2345'. Used 55 sacks gel, 500# XP 20, 25 gal. magconate, 50# Spersene, 200# Caustic.
- 6-14 PD 2556'. Drilling. Made 142' in last 24 hours. Bit #9 made 188' in 14 1/4 hours - twisted off, Bit #10 made 23' in 1 3/4 hours - incomplete. Twisted off at 2533', left 9 drill collars in hole - recovered fish - now drilling at 2556'. Bit #9, 9 7/8" Reed, YG1, in at 2345', Bit #10, 9 7/8" Reed, YG1, in at 2533'. Mud Weight 9.2#, Viscosity 35 sec., Water Loss 9.2 c.c., PH 8.8. Used 59 sacks gel, 50# XP20, 50# Spersene, 10 gal. magnate.
- 6-15 PD 2642'. Pulling fish. Made 86' in last 24 hours. Bit #10 made 78' in 10 1/4 hours. Twisted off at 2558'. Recovered fish - Twisted off at 2642'. Recovered and pulling fish. Measured drill pipe at 2611'. No correction. Bit #11, Hughes, 9 7/8" OSC1G, in at 2611'. 2 deg. at 2611'. 9.2#, 37 sec., 8.2 c.c., Used 15 sacks gel, 100# XP-20, 100# Spersene. DD 11.
- 6-16 PD 2670'. WOC - 7" OD - intermediate casing. Made 28' in last 24 hours. DD 12. 9.2# - Mud Weight, Viscosity 39 sec., 8.2 c.c. water Loss, PH 8.5. 1 3/4 deg. at 2670'. Bit #11 made 50'. Ran Schl. I-ES log from 170' to 2628'. Top of Castlegate at 2470'. Top of Mancos shale at 2590'. Set 7" OD, 23#, N-80 and 26#, N-80 and J-55 casing at 2670' with 65 sacks regular cement w/2% Ca.Cl₂. Plug down at 2:00 A.M. 6-16-63.

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

THIS FORM TO BE SUBMITTED ALONG WITH NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE DIAMOND RIDGE UNIT WELL NO. 7
SEC. 5 T. 17S R. 23E COUNTY Grand
STATE Utah FIELD Diamond Ridge
A.F.E. NO. 12001-11

Page 3

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 6-17 PD 2670'. Drilling plug. Made 0' in last 24 hours. DD 13. Pressured 7" OD casing to 1000# with clear water for 30 minutes. Held O.K. Picked up 15 - 4 3/4" OD drill collars and dressed joints on same. Started drilling plug at 5:00 A.M.
- 6-18 PD 3320'. Air drilling shale. Made 650' in last 24 hours. DD 14. 1 1/2 deg. at 2754', 1 3/4 deg. at 2937', 2 1/4 deg. at 3090', 2 1/4 deg. at 3180'. Bit #12, Hughes, 6 1/4" W7, Serial No. 13882, in at 2670'. 19 1/2 hours drlg., 1 hour surveys, 3 1/2 hours blow hole and repair air line. Stabilizers 30' and 90' above bit. 6,000# to 8,000# on bit, 70 RPM, 85 to 90# air.
- 6-19 PD 3920'. Drilling. Made 600' in last 24 hours. DD 15. 2 3/4 deg. at 3455', 2 3/4 deg. at 3536', 3 1/4 deg. at 3750', 4 deg. at 3880'. Bit #13, Reed, YH, in at 3536'. Bit #12 made 866' in 22 1/2 hours. 100# air, 70 RPM, 62,000# weight.
- 6-20 PD 4520'. Making trip. Made 600' in last 24 hours. DD 16. 4 1/2 deg. at 3990', 4 3/4 deg. at 4125', 4 1/2 deg. at 4300', 5 deg. at 4466'. Bit #14 in at 4520'. Bit #13 made 974' in 13 3/4 hours.
- 6-21 PD 5134'. Air Drilling. Made 614' in last 24 hours. DD 17. 5 1/4 deg. at 4600', 5 3/4 deg. at 4750', 6 deg. at 4915', 6 1/4 deg. at 5018', 6 1/4 deg. at 5107'. Bit No. 14 made 614' in 15 hours, incomplete. 15 hours drilling, 6 1/2 hours trip, 2 1/2 hours surveys. 4,000# to 8,000# on bit. Bit #14, Hughes 6 1/8" W7R, in at 4520'.
- 6-22 PD 5913'. Trip for bit. Made 779' in last 24 hours. DD 18. 4 3/4 deg. at 5770', 6 1/2 deg. at 5185', 6 deg. at 5300', 5 3/4 deg. at 5460', 6 deg. at 5615'. Bit #15, Hughes, 6 1/8" R1, in at 5913'. Bit #14 made 1393' in 35 hours.
- 6-23 PD 6321'. Drilling with air. Made 408' in last 24 hours. DD 19. 4 1/4 deg. at 5925', 4 1/2 deg. at 6050', 4 1/4 deg. at 6150', 4 1/4 deg. at 6300'. Top of Dakota Silt at 6290'.
- 6-24 PD 6436'. Changing to mud drilling. Made 115' in last 24 hours. DD 20. Mud weight 8.9#, 40 sec - Viscosity, water Loss 4.0 c.c. Bit #16, Hughes, 6 1/8" W7R, in at 6438'. Bit #15 made 523' in 21 1/4 hours. Drilled to 6436' with air. unable to dry hole with air. Hit top of Dakota sand with show gas at 6325'. Drilled to 6337' and tested at 58 MCFCPD rate. Hit top of 2nd Dakota sand at 6391'. Tested at 174 MCFCPD rate. Unable to dry hole after testing. Drilled ahead to 6436' without dust returns while trying to dry up hole. Pulled bit into 7" OD casing and killed with mud. Loaded hole with mud. Running bit to bottom and circulating each 10 stands. Now at 6300', drilling out cavings. Hit first bridge in hole at 6000'. Top of Cedar Mountain at 6425'. (With no apparent show).

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

THIS FORM TO BE SUBMITTED ALONG WITH LOG. NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, SMALL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off. DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT. DETAILS OF CASING PULLED PRIOR TO COMPLETION. SIDETRACKED TISH, SHOT AND ACCIDENT RECORDS, PLUGS, ETC.

USE TYPEWRITER

HISTORY OF WELL
AT TIME OF COMPLETION

Page 4

LEASE DIAMOND RIDGE UNIT WELL NO. 7
SEC. 5 T. 17S R. 23E COUNTY Grand
STATE Utah FIELD Diamond Ridge
A.F.E. NO. 12001-11

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 6-25 PD 6,367'. Making trip - preparing to pick up drill collars - drilling. Made 31' in last 24 hours. DD 21. Bit #16 made 31' in 19 1/2 hours. Bit #16, Hughes, W7R, in at 6436', Bit #17, in at 6467'. Mud Weight 9#, Viscosity 41 sec., Water Loss 8.2 c.c., Oil 5%. Used 40 sacks Gel, 150# Caustic, 16 sacks XP20, 550# Spersene, 30 sacks Mica, 25 gal. D.D., 2000 gal. Diesel.
- 6-26 PD 6513'. Tripping. Made 46' in last 24-hours. DD 22. Bit #17 made 46' in 12 hours. Bit #17, Reed, WH, in at 6467', Bit #18, Reed, in at 6513'. Mud Weight 9.2#, Viscosity 42 sec., Water Loss 4.2 c.c., Oil 8.5%. Used 10 sacks Gel, 50# Spersene, 25# Caustic, 50# XP-20.
- 6-27 PD 6548'. Drilling. Made 35' in last 24 hours. DD 23. Bit #18 made 33' in 9 hours. Drilling 12,000#, 75 RPM, 225 GPM, 1800# pump pressure. Strap pipe 6513 - no correction. Reamed 3 tight spots while going. Bit #18, W7, in at 6513', Bit #19, Christenson Diamond, 6 1/16", in at 6546'. Mud Weight 9.1#, Viscosity 47 sec., Water Loss 6 c.c., Oil 9%. Used 5 sacks Gel, 50# XP20, 5 gal. D.D., 10 gal. Diesel, 50# Caustic, 50# Spersene.
- 6-28 PD 6606'. Drilling. Made 58' in last 24 hours. DD 24. RPM 75, Wt. 14#, P.p 1750. Bit #19 made 60' in 23 1/2 hours, incomplete. 22 1/2 hours drilling, 1 1/2 hours Re-pair mud line valve. Bit #19, Christensen 6 1/16", in at 6546'. Mud Weight 8.8#, Viscosity 58 sec., Water Loss 4.4 c.c., 9% Oil, 8.5 PH. Used 50# spersene, 50# XP20, 50# Caustic, 10 bbls. oil, 5 gal. D.D.
- 6-29 PD 6666'. Drilling. Made 60' in last 24 hours. DD 25. Bit #19 has made 120' in 46 1/2 hours, incomplete. 23 hours drilling, 1 hr. circulating for samples at 6630'. Mud Weight 8.8#, Viscosity 50 sec., Water Loss 4.8 c/c., 8% Oil. Used 6 sacks gel, 50# Spersene, 50# XP-20, 5 gal. D.D.
- 6-30 PD 6698'. Drilling. Made 32' in last 24 hours. DD 26. Bit #19 made 143' in 57 hours. Bit #20, Hughes, 6 1/8" W7, in at 6689'.
- 7-1 PD 6722'. Running DST. Made 24' in last 24 hours. DD 27. Bit #20 made 30' in 10 hrs. Bit #21 made 3' in 3/4 hour. Pulled for DST. DST #1 6706-22', stray sand above Salt Wash. Bit #21, Hughes, 6 1/8" W7R, Serial No. 49233, in at 6719'. 2 3/4 deg. at 6710'. Mud Weight 9.0#, Viscosity 58 sec., 4.4 c.c., 10.0% oil.
- 7-2 PD 6752'. Making trip to change bit. Made 30' in last 24 hours. DD 28. Mud Weight 8.8#, Viscosity 56 sec., Water Loss 6.4 c.c. DST #1, 6706'-22', sand stringer above Salt Wash. Opened 5 minutes with very weak blow, took 30 minutes ISIP, opened tool 20 minutes with no blow, took 30 minutes, FSIP. Pulled and recovered 5' mud. IHP 3210#, ISIP 50#, IFP 50#, FSIP 50#, FHP 3170#. Bit #21 made 33' in 11 3/4 hours. 11 hours drlg., 7 1/2 hours testing, 1 hour circulating samples, 4 1/2 hours trip for bit. Used 2 sacks gel, 50# XP-20, 50# Caustic, 50# Spersene.

CORRECT

ENGINEER

APPROVED

SUPERINTENDENT

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE DIAMOND RIDGE UNIT WELL NO. 7
SEC. 5 T. 17S R. 23E COUNTY Grand
STATE Utah FIELD Diamond Ridge
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Page 5

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

- 7-3 PD 6777'. Tripping. Made 25' in last 24 hours. DD 29. Bit #23, WTR, in at 6752', out at 6777'. Made 25' in 12 hours. 12 hours drilling, 10 hours 2 trips, 2 hours repair. Bit #24, Hillmac 6 1/16", in at 6777'. Mud Weight 9.1#, Viscosity 42 sec., Water Loss 6 c.c., 10% Oil, 9 PH. Used 2 sacks Gel, 100# Caustic, 100# XP20, 100# Spersene.
- 7-4 PD 6850'. Drilling. Made 73' in last 24 hours. DD 30. Bit #23 made 73' in 23 hours, incomplete. 23 hrs drilling, 1/2 hr. trip, 1/2 hr. circulating. Bit #23, Hillmac 6 1/16 Diamond, in at 6777'. Mud Weight 9.2#, Viscosity 50 sec., Water Loss 5.2 c.c., 9% Oil, PH 9.5. Used 50# Spersene, 50# Caustic.
- 7-5 PD 6887'. Tripping. Made 37' in last 24 hours. DD 31. Bit #23 made 110' in 43 hrs, average 2.6' hr. Bit wear approx. 60% - 70%. Weight on bit 14# - 75 RPM. Mud Weight 8.8#, Viscosity 47 sec., Water Loss 5.2 c.c., 7% Oil, PH 9.5. Used 2 sacks Gel, 50# Caustic, 50# Spersene.
- 7-6 PD 6921'. Drilling. Made 34' in last 24 hours. DD 32. Bit #23 made 26' in 10 1/2 hours. Bit #23, Hughes, 6 1/8" WTR, in at 6887', Bit #25, Christenson, 6 1/16" Diamond, in at 6913'. Mud Weight 9.2#, Viscosity 48 sec., Waterloss 6.0 c.c., 7.0% Oil, PH 9.5. Used 3 sacks Gel, 50# XP20, 50# Spersene, 50# Caustic, 20 bbls. diesel oil.
- 7-7 PD 7025'. Preparing to log. Made 104' in last 24 hours. DD 33. Bit #25 made 107' in 21 hours. Finished drilling at 12:20 A.M. 7-7-63. Circulated for samples and log 2 hours. Measured D.P. out of hole. Corrected T.D. from 7020' to 7025'.
- 7-8 PD 7,025'. Plugging. Made 0' in last 24 hours. DD 34. Mud Weight 8.8#, Viscosity 56 sec., Water Loss 6.2 c.c., 7.0% Oil, 9.5 PH. Ran Schlumberger I-ES and Sonic Micro-Caliper logs. Schlumberger T.D. 7025'. Finish at 4:30 P.M. Laid down D.C. Ran D.P. to 6980'. Plug #1, 6980' to 6880' with 19 sacks 50-50 Pozmix. Plug #2, 6,350' to 6,150' with 38 sacks 50-50 Pozmix. Log tops: Dakota Silt @ 6104', Top Dakota Sand @ 6220', Top Cedar Mountain @ 6340', Top Morrison @ 6470', Brushy Basin 6622', Salt Wash 6730', Entrada @ 6980'.
- 7-9 T.D. 7025'. P & A. DD 34. Placed cement plug #3 at 2670' to 2570' with 20 sacks 50-50 Pozmix. Ran McCullough free-point indicator. Found 7" OD free to 1850'. Cut 7" OD at 1820' w/McCullough casing cutter. Pulled and laid down 57 joints 7" OD. Placed cement plug #4 at 169' to 19' in 10 3/4" with 26 sacks 50-50 Pozmix. Removed BOP and casinghead. Placed 10 sack plug and dry hole marker in top of 10 3/4" OD. Job complete at 11 P.M. 7-8-63. Rig released 2:00 A.M. 7-9-63. FINAL REPORT.

October 28, 1963

Sunray DX Oil Company
101 University Blvd.
Denver, Colorado

Attention: F. S. Goddar, District Manager

Re: Well No. Diamond Ridge Unit #7
Sec. 5, T. 17 S, R. 23 E.,
Grand County, Utah

Gentlemen:

Thank you for your "Log of Oil or Gas Well" for the above mentioned well. It was noted that a DST was run at 6706'-22', and it would be appreciated if you could furnish this office more detailed information on this test so that we may consider our file complete.

Also, we have not received the electric and/or radio-activity logs that were run on this well. Thank you for your consideration in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

December 10, 1963

Sunray DX Oil Company
101 University Blvd.
Denver, Colorado

Attention: F. S. Goddard, District Manager

Re; Well No. Diamond Ridge Unit #7
Sec. 5, T. 17 S, R. 23 E.,
Grand County, Utah

Gentlemen:

Reference is made to our letter of October 28, 1963. As of this date, we still have not received the electric and/or radioactivity logs for the above mentioned well. If you did not run logs on this well, please make a statement to that effect in order to keep our records accurate and complete.

Also, it was noted that a DST was run at 6706'-22', and it would be appreciated if you could furnish us with more detailed information on this test so that we may consider our file complete.

Thank you for your attention to this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

JP

MB
7

Sunray DX Oil Company

District Office



101 University Blvd.
Cherry Creek Center
Denver, Colorado 80206

December 12, 1963

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Attention Clarella N. Peck, Records Clerk

Re: Our Diamond Ridge Unit #7
Sec. 5, T17S, R23E
Grand County, Utah

Gentlemen:

As requested in your letter of December 10, 1963, enclosed are the induction electrical log, sonic log and micro log for the above mentioned well. Also, following is detailed information regarding our drill stem test:

DST #1 - 6706' - 22', sand stringer above Salt Wash. Opened 5 minutes with very weak blow, took 30 minutes ISIP, opened tool 20 minutes with no blow, took 30 minutes, FSIP. Pulled and recovered 5' mud. IHP 3210#, ISIP 50#, IFP 50#, FSIP 50#, FHP 3170#.

We are sorry for the delay in furnishing you with this information.

Very truly yours,

F. S. Goddard
District Manager

Enc. (3)

11



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 9, 1986

TO: Well File

FROM: Mary Alice Peterson

RE: API Number for The Diamond Ridge Unit #7 Well :
Operator Sunray DX Oil Company, located 17S 23E sec. 5
Grand County

This well was originally assigned the API number 43-019-11167. Another well drilled earlier was also assigned the same API number. The second well is the Diamond Ridge Unit #5 located at 17S 22E sec. 21. As the Diamond Ridge Unit #7 was the later of the two wells drilled I am going to leave the old API number with Well #5 and assign Well #7 a new API number. The new API number assigned is 43-019-20410.

map
0176S 34